

GROOVE SEAM PROFILING METHOD

Patent Number: JP62118976
Publication date: 1987-05-30
Inventor(s): BABA NORIMITSU; others: 03
Applicant(s): NIPPON STEEL CORP
Requested Patent: JP62118976
Application Number: JP19850258396 19851118
Priority Number(s):
IPC Classification: B23K9/12
EC Classification:
Equivalents:

Abstract

PURPOSE: To execute a groove seam profiling stably irrespective of the variation in welding positions by operating the welding current value difference by detecting the welding current values at both ends of the rocking of a welding wire and by varying the wire position correcting quantity for the current values difference according to the welding position.

CONSTITUTION: The welding position is detected by the position meter 27 for the angle detection fitted to a welding truck, the detected value is taken into computer 12 by using AD converter 24 and the welding torch position correcting coefficient is decided according to the taken value. The procedure in deciding the torch position correcting quantity is programmed in advance in the IC memory inside the computer unit 12 and executed on each period in rocking. The welding torch position correcting quantity is fed to the motor controlling a moving shaft 16 through DA converter 13 and amplifier 14 from the computer unit 12 as the torch position control signal and the groove seam profiling is automatically achieved.

Data supplied from the esp@cenet database - I2

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 62-118976

(43)Date of publication of application : 30.05.1987

(51)Int.Cl.

B23K 9/12

(21)Application number : 60-258396

(71)Applicant : NIPPON STEEL CORP

(22)Date of filing : 18.11.1985

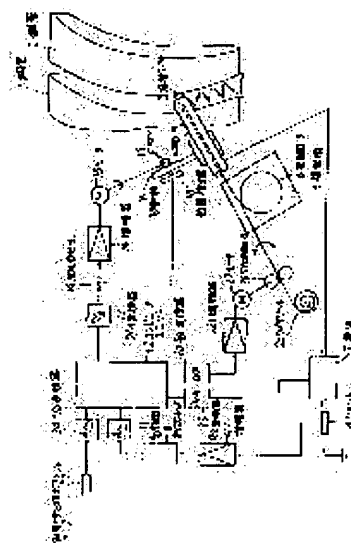
(72)Inventor : BABA NORIMITSU
KONO ROKURO
TACHIKAWA HIROSHI
KAKIMOTO TOSHITARO

(54) GROOVE SEAM PROFILING METHOD

(57)Abstract:

PURPOSE: To execute a groove seam profiling stably irrespective of the variation in welding positions by operating the welding current value difference by detecting the welding current values at both ends of the rocking of a welding wire and by varying the wire position correcting quantity for the current values difference according to the welding position.

CONSTITUTION: The welding position is detected by the potentio meter 27 for the angle detection fitted to a welding truck, the detected value is taken into computer 12 by using AD converter 24 and the welding torch position correcting coefficient is decided according to the taken value. The procedure in deciding the torch position correcting quantity is programmed in advance in the IC memory inside the computer unit 12 and executed on each period in rocking. The welding torch position correcting quantity is fed to the motor controlling a moving shaft 16 through DA converter 13 and amplifier 14 from the computer unit 12 as the torch position control signal and the groove seam profiling is automatically achieved.



Best Available Copy

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office